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DIGITAL FABRICATION OF NASAL PROSTHESES

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ABSTRACT:

The maxillofacial prostheses have long been constructed using manual methods which require an impression to be made followed by wax carving and investing for the fabrication of any prosthesis. This is a long and laborious procedure, involving multiple clinical visits. Although it is cost effective, the facial prosthesis has to be adjusted for marginal adaptation, thus requiring extensive time and work Digital technology and 3D printing have revolutionized the way such prostheses are made by reducing operational time, clinical visits, and faster delivery of the prosthesis to the patient with consistently acceptable quality and esthetics. The purpose of this article is to review a completely digital workflow in the construction of a nasal prosthesis when compared to the conventional construction technique.

KEYWORDS: nasal prosthesis; digital fabrication; 3D Printing.

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